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NEWS 7 FEB 11 WTEXTILES reloaded and enhanced
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enhanced
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information
NEWS 24 APR 26 USPATFULL and USPAT2 enhanced with patent
assignment/reassignment information
NEWS 25 APR 28 CAS patent authority coverage expanded

NEWS 26 APR 28 ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 27 APR 28 Limits doubled for structure searching in CAS
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* * * * * STN Columbus * * * * *

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ENTRY	SESSION
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FILE COVERS 1907 - 9 May 2009 VOL 150 ISS 20

FILE LAST UPDATED: 8 May 2009 (20090508/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate

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=> S CARBONATE AND (POLYMERIC(L)ALCOHOL)
    348365 CARBONATE
    74420 CARBONATES
    384593 CARBONATE
        (CARBONATE OR CARBONATES)
    251957 POLYMERIC
        31 POLYMERICS
    251975 POLYMERIC
        (POLYMERIC OR POLYMERICS)
    317960 ALCOHOL
    194187 ALCOHOLS
    473917 ALCOHOL
        (ALCOHOL OR ALCOHOLS)
    635389 ALC
    203389 ALCS
    736921 ALC
        (ALC OR ALCS)
    941718 ALCOHOL
        (ALCOHOL OR ALC)
        8675 POLYMERIC(L)ALCOHOL
L1    368 CARBONATE AND (POLYMERIC(L)ALCOHOL)

=> S L1 AND (TWO(L)STAGE)
    2831860 TWO
        54 TWOS
    2831900 TWO
        (TWO OR TWOS)
    490467 STAGE
    315931 STAGES
    724287 STAGE
        (STAGE OR STAGES)
    118837 TWO(L)STAGE
L2    2 L1 AND (TWO(L)STAGE)

=> D IBIB ABS HITSTR TOT
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10571479

13 ANMER 1 OF 2 CAPUS COPYRIGHT 2009 ACS ON STM
 ACCESSION NUMBER: 1992:620610 CAPUS
 DOCUMENT NUMBER: 117:112558
 TITLE: Polymerization of maleic anhydride-modified plant oils with polyols
 AUTHOR(S): Kler, Tarik; Rosenfeld, Selim S.; Wool, Richard
 CORPORATE SOURCE: Department of Chemistry and Polymer Research Center, Bogazici University, Istanbul, 80515, Turk.
 SOURCE: Journal of Applied Polymer Science (2002), 86(1), 197-202
 PUBLISHER: CODING JAPANSY ISBN: 0021-8995
 DOCUMENT TYPE: John Wiley & Sons, Inc.
 LANGUAGE: Journal
 AB In this study soybean oil triglycerides were reacted with maleic anhydride in an emulsion reaction to introduce more than two maleate residues per triglyceride. The maleated soybean oil (SOMA) was then polymerized with diols to the half-ester stage only. Two different types of diols were used in this work: (1) short-chain polyhydroxy linear or cyclic diols having 2, 3, 4, or 6 hydroxyl groups; and (2) long-chain dihydroxy alcohols. The aim was to determine the effect of functionality and chain length by choosing alcohols with increasing number of hydroxyl groups and different chain lengths.
 The reaction of alcohols with anhydride functionalized soybean oil to give a polymeric half-ester is a reaction that proceeds without the formation of byproducts and is different from complete polyesterification of maleated oils, which are well known. To improve the reaction yields, different catalysts and different reaction conditions were examined. The structural analysis of the products was done with IR-FTIR and ¹³C spectroscopy. All of the new polymers obtained were resilient and soft rubbers at room temperature. Castor oil polymer mixed with 60% CaCO₃ and 10% carbon powder gave a resilient and nontacky linoleum composition.
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
 FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RECORD

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12 ANMER 2 OF 2 CAPUS COPYRIGHT 2009 ACS ON STM
 ACCESSION NUMBER: 1992:512538 CAPUS
 DOCUMENT NUMBER: 117:112558
 ORIGINAL REFERENCE NO.: 117:194554,194554
 TITLE: Studies on the preparation and properties of conductive polymers. VI. Two-stage method to prepare metallized polymer films
 AUTHOR(S): Yen, Chih-Cheng; Chang, Tzu-Chue
 CORPORATE SOURCE: Dep. Chem. Eng., Chung Yuan Christian Univ., Chungli, 32027, Taiwan
 SOURCE: Journal of Applied Polymer Science (1992), 45(1), 207-40
 PUBLISHER: CODING JAPANSY ISBN: 0021-8995
 DOCUMENT TYPE: Journal
 LANGUAGE: Journal
 AB Conducting metallized polymer films were prepared via a) treating poly(vinyl alcohol)-AgNO₃ chelate films with doping agents and b) reduction of treated films by a NaBH₄ aqueous solution. Good electrical conductivity and long-term film stability were obtained for these polymer systems. Crystal structure of the polymers was also studied by x-ray diffraction. The preparation of polycrylonitrile-AgNO₃ complex films was also studied.

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LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

19.70

19.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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